



PCT10

## RAW SEQUENCE LISTING

DATE: 01/30/2003

PATENT APPLICATION: US/10/089,612

TIME: 10:15:53

Input Set : A:\05121030.app

Output Set: N:\CRF4\01302003\J089612.raw

3 <110> APPLICANT: BONELLO, JEAN-FRANCOIS  
 4 ROGOWSKY, PETER  
 5 PEREZ, PASCUAL  
 7 <120> TITLE OF INVENTION: PLANT SEED ENDOSPERM-SPECIFIC PROMOTERS  
 9 <130> FILE REFERENCE: 0512-1030  
 11 <140> CURRENT APPLICATION NUMBER: 10/089,612  
 12 <141> CURRENT FILING DATE: 2002-04-01  
 14 <150> PRIOR APPLICATION NUMBER: FR 99 12305  
 15 <151> PRIOR FILING DATE: 1999-10-01  
 17 <150> PRIOR APPLICATION NUMBER: PCT/FR00/02596  
 18 <151> PRIOR FILING DATE: 2000-09-19  
 20 <160> NUMBER OF SEQ ID NOS: 22  
 22 <170> SOFTWARE: PatentIn Ver. 2.1  
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 25 <211> LENGTH: 531  
 26 <212> TYPE: DNA  
 27 <213> ORGANISM: Zea mays  
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 32 ttcggactat gtcttcacct tgtatacctt tgtcttgggg gaaaaccttc atcctgaagc 180  
 33 cgaagctccc tgtaataatt catatcatgc taaaaataaa tggtcagtc tgtttttgag 240  
 34 gaccttcgga agaggaaggc cccccaacaa gacgattaac tagtattgtc tcaactgcatt 300  
 35 gtttttttgg cacttcattca ataatgcctc aatagcatatc ttcatcttag gaactttatt 360  
 36 aaaactgtct taaaataggg ccaagtcata aattcattca aagtgactct tcatttctta 420  
 37 ctctctatct ttggtgggtt tgtatatata tatgttcagt gttgagtgat gttcctacac 480  
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 49 cccatgactt gcaaaaaagc aaattttatc aaaattttctc ataaaaacact tgaaaaacatt 180  
 50 tctctttttg aaaagtgtag agcactagca actgtctact aaaaagggttc ccaaattttct 240  
 51 ggggtataaca atcgcatggt aaataacaca aaggaaatcc tactaagagc agtaatttgg 300  
 52 ctaaaacaat agtgagcatt ttaatgtaat agggaaatagg agcatgcaat acttgtgttc 360  
 53 tttcagggtt ttgatgtcct caaaagtgtg ccccccctggg gcagttgcaa cactcaaaat 420  
 54 ctactcgtat acataaagaa acatgggcac aaaataagaa acaatactca aattatgaaa 480  
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 56 attttaattt ggtttaaaat gagtttagata ttaattattt ttcagtttat agttatttgg 600  
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ENTERED

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59	ccacggtgaa	caagggggag	ataggtggtg	accgatatct	ctaaattttg	atcgttggac	780
60	ggcacatgga	tgtctcagat	taaatgggtg	atgtgcaagc	gacgcgcaca	cgatggagga	840
61	atggcttcac	gacggtgggc	tactagagct	ggctacgtca	accaatggag	ggctcgggtca	900
62	aggtcaaaaat	ttgttgccaa	gccactgtgg	ctcacgatga	gtcgattgag	cacatatcaa	960
63	ggtcagagggt	caaccagagg	ggcaagatcg	atggtgcagt	ggtgttctcg	atggaagggg	1020
64	aaacttcggt	gagcaattca	agatttccta	tcatgtgacc	gggtcagggg	atgggcgcat	1080
65	ggggttttgt	accttctggt	gcacatcatg	ttgctgtatc	gatgtcaagg	gagcattagg	1140
66	gttcacgagt	cagcgatgac	gggcatggtg	ggacttgtgt	caccatgggt	cgatcaacta	1200
67	gggacgatag	agctctatga	agtttcacaa	cttcctcaca	ctctagggat	catggtgaca	1260
68	aaggtgggga	ggacggggcg	tctctagtga	gggtggaatg	cagttctgtc	acgtgggaat	1320
69	agtggcggca	tcgcttgtaa	tgaataaaaag	gtgcttgggg	ggctgggaag	tgcaatatga	1380
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71	caatgacaca	aagggtggtg	cgacagttta	aagctcgaat	gctgctaggg	gtgctcaagg	1500
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75	tgaccagag	aagagacca	ctgatgggga	aaaaagggtg	caacaggtgg	ggaccaaggt	1740
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78	tgaattttta	attcaaatca	aatgactcca	aatctctcca	aaattaccaa	aatatagaat	1920
79	atntagatga	atatgttggt	ggagtttggt	ctccgctttt	ggttagtatg	tttgataaaa	1980
80	aataatttct	ctccttttgt	cacttccaat	attgacttaa	atttttatgt	agcaatgcca	2040
81	acttttttta	gtagtgtgcc	acttatagca	caaaaactat	atccattttc	taatagtcct	2100
82	tgaatccac	attctatttt	tagccattct	tcaaaattgg	cacaaaacta	ggaaaattta	2160
83	atacattctt	gccataacat	attctagtgc	aaatgttaac	tagattgctc	aatattagca	2220
84	aacttctttt	gtaagattca	ttaatatgtc	tacattgcat	acttttttag	aagttcatca	2280
85	ataatgcctc	attagcatac	ttcattttag	gaacttgatt	aaaaccgcct	taaaatagag	2340
86	ccaagtgcag	gatccattta	aagggtgattc	ttaatttctt	acttcctatc	tttggtggct	2400
87	tatgtttata	tatgtgtggg	tggttgaatg	atgttcctac	accactacac	cacacgttgg	2460
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99	tacgtcfaat	acgttgcaag	tggtagggcc	ccacttgtca	ttgactattg	ctattctagc	180
100	aaaggggaagg	tgtttttcgg	accttcggct	taaggccttc	gtccatatacg	caatctgaat	240
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102	ggtcctcaaa	aactggttta	acagtgtttc	tggagtataa	tgcataaaca	ggtatcttcg	360
103	ggtttggatc	agaactacaa	catgaagagg	cacaaagaac	acgaaggttg	gcgcagagcc	420
104	gaagctcacg	tgtaggagag	cttcggcacg	acagcagaaa	aagggaaccg	acttaaaagg	480
105	aaaggctatt	cagacctcga	tggatttcta	taggtcatta	gcaaagttaa	agggcattga	540
106	tgtaatttta	catgggctgt	gtccttgccct	ataaatagat	gaacagtact	ctcgactagt	600
107	tcacgctgac	ttggcattcg	ctttttgcct	cacgcttgta	cccttgcttt	ccttcaaacc	660
108	gaaggtacat	ctataatttg	ttattgtgtt	attgtggata	tggtaatgca	aataaaaaata	720
109	agttgatgat	aatgtttata	ttatttttcg	tatttcatat	atgaattctt	cctcatcatt	780

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110 tatttgtgctt acgaaggttt ttcccttcaaa atctttgtcc ggaattcatt atatccgaag      840
111 ggaaataatg tctcgaagga cgaaggactt tgatatttaa cacttttcat gttgccttgt      900
112 tcttgactct tagcatttga gaacaagtcc ccaacagctc ctaagctctt ctttgaagaa      960
113 acaactacta gatgaagttt ctccaaaagt acgtccattg aatggagtaa agagtcattt    1020
114 gacctctcgg aataaaaatta aaatgagaat aagtaagaat aaaacacctc tattatcaaa    1080
115 tctaggccat acaaacattg ggtattacta aaaaatagct aatgccatct ttcaacattt    1140
116 ggaagttaaa accaaccaat cctcactcat tcccaagaaa tattggatca tatttaacat    1200
117 tttgtgtcac ttacaaaaat ggcttaatct tttatgcggc aatgccaacc ttttttagca    1260
118 ggggtgccact tgtaacatga aaactataac ttttttcaaa tagtaccttg aaattcgcac    1320
119 tctattttta tgcattcttc aaaattgaca caaattaaac taggagaatt caatacatct    1380
120 ttgccataac atattctaata gcaaatatta agtagattgc tcaacatcgg tacacatctt    1440
121 ttggacgatt aattagtatt gtctcactac attctttgtt ttagcagttc atcaataatg    1500
122 cctcaatagc atacttcatt ttaggaactt tatgaaaatt gtcttaaaat agggccaagt    1560
123 cacaaatcca cttcaaaggt gactcttcat ttcttacttc ctatctttgc ttgtttttgt    1620
124 atatatatgt gtggatggtt gagtgatggt cctacaccac tacaccacac cttagacaca    1680
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130 &lt;212&gt; TYPE: DNA

131 &lt;213&gt; ORGANISM: Zea mays

133 &lt;400&gt; SEQUENCE: 4

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135 cctcatgtac tggcctggtg tttggtaaac atgaagcaat aatttcctct tatcaaaata    120
136 cgggtctcaa gctgcatgtg aaaaataata aatatttttt tgaagtgaat gaaaaatgat    180
137 aaatatgaaa cagtaaactc ttccgttgaa aaagtacatc tctattatta acgataacct    240
138 atatatcaat ctacaatgcg ctcatctgca tctcgaatga tactttcatc attttatgaa    300
139 tgtactttta tgataagaag gattagaatg ttcttgtttt cctcttattc ttaccttttt    360
140 caaaattatc agtttccaat gtctgaatat gcaatgcatt ataaacccta gtcagcatat    420
141 atcaagtcga tatataatgc tatatgttta agaactggtg ctgagtatgt ctactcaaca    480
142 tatttttttag ctattggatc gagcagttta gtaaaggtaa actacattta tctatcttca    540
143 agttgtatatt tcccaccctt aaattatgaa agggagtaac gctccactcc aactggtgaa    600
144 agggaacaaa tttggtctcc ggactgattt cattggtggt tctctatttt ttaaaacaac    660
145 aaaaaaacat atttgttctc tgaaaattga taattaatta atcataaatt aggaaaaaaa    720
146 ctatatgaaa ctagtatatg ttttcttcta aaattattgt ctgtctgttg gtgctctagt    780
147 tatagagtta taacatgaaa actatagcca ttttcaaata gtgccttgaa attcattttt    840
148 gtttagccat tcttcaaaat tgccacaaaa ccaggagaat ttattaataa attcacgcca    900
149 taacatattc tagtccaaat gttaagtgga ttgctcaata tcattatact tcttttggac    960
150 gattcattag tactgccttg ttgcatactt tgttttagca gttcatcaat aatgcttcac    1020
151 tagcataatt catgttagga acttgattaa aactgcctta agaacatggc aaagtgataa    1080
152 atccacttca aaggcaatta ttaatttctt acttcctatc tttggtggtt tttgtatata    1140
153 tgtgtgtggg tggttgagtg atgcacacat tttcctacac cactacatca caccttggac    1200
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157 &lt;210&gt; SEQ ID NO: 5

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159 &lt;212&gt; TYPE: DNA

160 &lt;213&gt; ORGANISM: Zea mays

162 &lt;400&gt; SEQUENCE: 5

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163 ttttgtcact tccaatattg acttaaatTT ttatgtagca atgccaaactt tttttagtag      60
164 tgtgccactt atagcacaaa aactatatcc attttctaata agtccttgaa atccacattc    120

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165 tatttttagc cattcttcaa aattggcaca aaactaggaa aatttaatac attcttgcca 180
166 taacatattc tagtgcaa at gttaactaga ttgctcaata ttagcaaaact tcttttgtaa 240
167 gattcattaa tattgctaca ttgcatactt ttttagaagt tcatcaataa tgcctcatta 300
168 gcatacttca ttttaggaac ttgattaaaa ccgccttaaa atagagccaa gtgacggatc 360
169 catttaaagg tgattcttaa tttcttactt cctatctttg gtggcttatg tttatatatg 420
170 tgtgggtggt tgaatgatgt tcttacacca ctacaccaca cgttggacat atatatggaa 480
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182 ctatttttat gcattcttca aaattgacac aaattaaact aggagaattc aatacattct 180
183 tgccataaca tattcta atg caaatattaa gtagattgct caacatcggg acacatcttt 240
184 tggacgatta attagtattg tctcactaca ttctttgttt tagcagttca tcaataatgc 300
185 ctcaatagca tacttcattt taggaacttt atgaaaattg tcttaaaata gggccaagtc 360
186 acaaatccac ttcaaagggtg actcttcatt tcttacttcc tatctttgct tgtttttgta 420
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198 <222> LOCATION: (1)
199 <223> OTHER INFORMATION: a, c, t, g, other or unknown
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203 <222> LOCATION: (32)
204 <223> OTHER INFORMATION: a, c, t, g, other or unknown
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207 <221> NAME/KEY: modified_base
208 <222> LOCATION: (35)
209 <223> OTHER INFORMATION: a, c, t, g, other or unknown
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213 <222> LOCATION: (128)
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218 <222> LOCATION: (136)
219 <223> OTHER INFORMATION: a, c, t, g, other or unknown
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223 <222> LOCATION: (175)
224 <223> OTHER INFORMATION: a, c, t, g, other or unknown

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W--> 229 rratycantt yaaagntgay tottmatttc ttacttccta ttttgstkg yttwngtwta 180
230 tataatrtgk srtggttgat tgatgttctt acaccactac accacacstt rgayayatat 240
231 ayrgaaaata gcttcacwrt ctaga 265
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236 <212> TYPE: DNA
237 <213> ORGANISM: Artificial Sequence
239 <220> FEATURE:
240 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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247 <210> SEQ ID NO: 9
248 <211> LENGTH: 30
249 <212> TYPE: DNA
250 <213> ORGANISM: Artificial Sequence
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253 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:7; N Pos. /1, 32, 35, 128, 136, 175